THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:-

1. A plasma processor for modifying at least a region of a surface of a component; wherein said component is bombarded by ions from a gas plasma environment; said ions are drawn towards said component by a voltage source applied to a first mesh, wherein said first mesh is a stationary non-conformal conductive mesh; and wherein the processor further comprises a support for supporting the component, and the support is adapted to oscillate and/or rotate such that the component is moved in the vicinity of the first mesh to evenly expose it to ion bombardment without the component contacting the first mesh.

2. The plasma processor as claimed in claim 1, wherein said first mesh substantially encapsulates said component.

3. The plasma processor as claimed in claim 2, wherein said component is encapsulated by a movable second mesh that is a non-conformal non-conductive mesh encapsulated within the first mesh.

4. The plasma processor as claimed in claim 1, wherein said voltage source provides a pulsed voltage.

5. The plasma processor as claimed in claim 1, wherein said component is non-conducting.

6. The plasma processor as claimed in claim 1, wherein said component is a polymeric component.

7. The plasma processor as claimed in claim 6, wherein said component is part of a blood pump.

8. A method for modifying a surface of a component by bombarding said component with ions from a gas plasma environment; said ions are drawn towards said component by a voltage source applied to a first mesh that is stationary non-conformal and conductive, wherein said component is mounted on an oscillating and/or rotating support and is moved in the vicinity of said first mesh to evenly expose it to ion bombardment.

9. The method as claimed in claim 8, wherein said component is encapsulated by a movable second mesh that is a non-conformal non-conductive mesh encapsulated within the first mesh.

10. The method as claimed in claim 8, wherein said voltage source provides a pulsed voltage.

11. The method as claimed in claim 8, wherein said component does not contact said first mesh.

12. The method as claimed in claim 8, wherein said component is non-conducting.

13. The method as claimed in claim 8, wherein said component is a polymeric component.

14. The method as claimed in claim 8, wherein said component is part of a blood pump.